

Appendix I

TerrPlant Example Output

Table 1. Chemical Identity.

Chemical Name	pesticide x
PC code	35505
Use	Rights of Way etc
Application Method	ground
Application Form	liquid
Solubility in Water (ppm)	42

Table 2. Input parameters used to derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	12	y
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0.01	none

Table 3. EECs for pesticide x. Units in y.

Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.24
Runoff to semi-aquatic areas	$(A/I)*R*10$	2.4
Spray drift	$A*D$	0.12
Total for dry areas	$((A/I)*R)+(A*D)$	0.36
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	2.52

Table 4. Plant survival and growth data used for RQ derivation. Units are in y.

Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	0.099	0.089	0.021	0.002
Dicot	0.002	0.047	0.075	0.001

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to pesticide x through runoff and/or spray drift.*

Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	3.64	25.45	5.71
Monocot	listed	4.04	28.31	60.00
Dicot	non-listed	180.00	1260.00	60.00
Dicot	listed	7.66	53.62	2.55

*If RQ > 1.0, the LOC is exceeded, resulting in potential for risk to that plant group.